IN THE CLAIMS

1.   (Currently amended) A method comprising:

receiving a polling request that specifies a first temporal period and a first temporal offset for a plurality of expected future transmissions from a first station;

establishing a polling schedule based on said polling request;

receiving a plurality of frames for forwarding to said first station;

determining whether the arrival times of said frames are substantially periodic as described by a second temporal period and a second temporal offset; and

establishing, when the arrival times of said frames are substantially periodic, a transmission schedule for transmitting each of said frames to said first station;

wherein said transmission schedule is based on said second temporal period and said second temporal offset;

wherein said transmission schedule is also based on said polling schedule; and

transmitting each of said frames to said first station in accordance with said transmission schedule, wherein said transmitting and said receiving said plurality of frames are via a shared-communications channel.

2.   Canceled

3.   (Original) The method of claim 1 further comprising transmitting a poll to said first station in accordance with said polling schedule, wherein the transmission of said poll and the reception of said polling request are via a shared-communications channel.

4.   (Previously Presented) The method of claim 3 wherein the transmission of said poll and the reception of said polling request are in accordance with a wireless local area network protocol.

5.   Cancel

6.   Cancel

7.   Cancel

8.   (Previously Presented) The method of claim 1 further comprising combining said polling schedule and said transmission schedule into a composite schedule.

9.   Cancel

10.   Cancel

11.   Canceled

12.   Cancel

13.   Cancel

14.   (Previously Presented) An apparatus comprising:
        a receiver for receiving a polling request that specifies a first temporal period and a first temporal offset for a plurality of expected future transmissions from a first station;
        a processor for establishing a polling schedule based on said polling request;

wherein said receiver is also for receiving a plurality of frames for forwarding to
said first station; and

    wherein said processor is also for:

        (i) determining whether the arrival times of said frames are
substantially periodic as described by a second temporal period and a second
temporal offset;

        (ii) establishing, when the arrival times of said frames are
substantially periodic, a transmission schedule for transmitting each
of said frames to said first station, wherein said transmission
schedule is based on said second temporal offset and said second
temporal period; and

    wherein said processor is also for combining said polling schedule and
said transmission schedule into a composite schedule.

15.   (Original) The apparatus of claim 14 further comprising a transmitter for
transmitting a poll to said first station in accordance with said polling schedule.

16.   (Previously Presented) The apparatus of claim 15 wherein said
transmitter and said receiver operate in accordance with a wireless local area
network protocol.

17.   Cancel

18.   Cancel

19.   (Previously Presented) The apparatus of claim 14 further comprising a
transmitter for transmitting:

        i. said poll to said first station in accordance with said polling
          schedule; and

        ii. each of said frames to said first station in accordance with
             said transmission schedule.

20. (Previously Presented) The apparatus of claim 19 wherein said transmitter
and said receiver operate in accordance with a wireless local area network
protocol.

21.   (Previously Presented) An apparatus comprising:

      a transmitter for transmitting a polling request that specifies a temporal
period and a temporal offset for a plurality of expected future transmissions;

      a receiver for receiving a poll in response to said polling request; and

      a processor for queuing a frame in accordance with said temporal period
and on said temporal offset;

   wherein said receiver is also for receiving a plurality of frames for forwarding
to said first station; and

      wherein said processor is also for:

          (i) determining whether the arrival times of said frames are
substantially periodic as described by a second temporal period and a second
temporal offset;

          (ii) establishing, when the arrival times of said frames are
          substantially periodic, a transmission schedule for transmitting each
          of said frames to said first station, wherein said transmission
          schedule is based on said second temporal offset and said second
          temporal period; and

      wherein said processor is also for combining said polling schedule and
said transmission schedule into a composite schedule.

22. (Previously Presented) The apparatus of claim 21 wherein said transmitter
is also for transmitting said frame in response to said poll, and wherein said

transmitter and said receiver operate in accordance with a wireless local area network protocol.

23. (Previously Presented) The apparatus of claim 21 wherein the transmitting of said polling request, the transmitting of said frame, and the reception of said poll are via a shared-communications channel.